

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 6, 7, 9, 11, 19, and 24, and CANCEL claims 1-5, 8, 10, 14-18, and 25-27, without prejudice or disclaimer, in accordance with the following:

1. (CANCELLED)

2. (CANCELLED)

3. (CANCELLED)

4. (CANCELLED)

5. (CANCELLED)

6. (CURRENTLY AMENDED) ~~The microwave oven according to claim 1,~~A microwave oven, comprising:

a weight sensing unit provided at an external portion of the microwave oven, to sense a weight of food;

a memory to store weight information of the food;

an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food; and

a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed, wherein the controller comprises:

a counter to count a predetermined period of time for which a cooking start is not set, and deletes the weight information of the food stored in the memory when the time counted

by the counter exceeds a set time.

7. (CURRENTLY AMENDED) ~~The microwave oven according to claim 1,~~A microwave oven, comprising:

a weight sensing unit provided at an external portion of the microwave oven, to sense a weight of food, wherein the weight sensing unit comprises:

a weight sensor installed in an upper portion of a body of the microwave oven, and having a fixed one end, wherein the weight sensor senses a weight of the food depending on a force applied to a free end thereof;

a memory to store weight information of the food;

an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food; and

a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed.

8. (CANCELLED)

9. (CURRENTLY AMENDED) ~~The microwave oven according to claim 8,~~A microwave oven, comprising:

a weight sensing unit provided at an external portion of the microwave oven, to sense a weight of food;

a memory to store weight information of the food;

an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food, wherein the input unit comprises:

a first setting key to set the mode of measuring the weight of the food, and

a second setting key to set the mode of storing the weight of the food,

wherein the first setting key is used to set a mode of searching a previously arranged table for a calorie content of the food and to display the calorie content; and

a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed.

10. (CANCELLED)

11. (CURRENTLY AMENDED) ~~The microwave oven according to claim 10,~~A microwave oven, comprising:

a weight sensing unit provided at an external portion of the microwave oven, to sense a weight of food;

a memory to store weight information of the food;

an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food;

a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed; and

a platform unit mounted on the weight sensing unit to place an object filled with the food thereon, so that a weight of the object is measured by the weight sensing unit, wherein the platform unit comprises:

a platform base to integrate with a portion of the microwave oven;

a rubber seat to provide a plate to receive the object thereon and the width of the object to be measured; and

a locking ring to fix the rubber seat to the platform base.

12. (ORIGINAL) The microwave oven according to claim 7, wherein the weight sensing unit further comprises:

a support bracket provided at the one end of the weight sensor to support the weight sensor;

a shaft fixed to the free end of the weight sensor to receive the force applied to the free end;

at least one heat dissipating hole provided in the weight sensor to allow the free end of the weight sensor to be bent and protected against heat; and

sensing elements mounted on surfaces of a center portion of the weight sensor to contract and expand so that internal resistances thereof vary.

13. (ORIGINAL) The microwave oven according to claim 12, wherein the sensing

elements apply a weight sensing signal to the controller to correspond to the varied resistances.

14. (CANCELLED)

15. (CANCELLED)

16. (CANCELLED)

17. (CANCELLED)

18. (CANCELLED)

19. (CURRENTLY AMENDED) ~~The microwave oven control method according to claim 17, further comprising:~~ A method of controlling a microwave oven having a weight sensing unit provided at an external portion of the microwave oven to sense a weight of food, the method comprising:

determining whether a weight measurement mode is set to measure a weight of the food;

determining whether a weight information storage mode is set to store weight information of the food if the weight measurement mode is set;

calibrating a zero point for the weight sensing unit;

calculating the weight of the food after the zero point calibration;

storing the calculated weight of the food measured using the weight sensing unit provided at the external portion of the microwave oven if the weight information storage mode is set;and

displaying the calculated weight of the food;

calculating a cooking time to correspond to the calculated weight of the food; and

performing cooking for the calculated cooking time.

20. (ORIGINAL) The microwave oven control method according to claim 19, wherein the weight of the food calculated after the zero point calibration, is obtained by subtracting a weight of a container from a total weight including the weight of the container filled with the food.

21. (ORIGINAL) The microwave oven control method according to claim 19, wherein the storing the calculated weight of the food is performed through a setting operation.

22. (ORIGINAL) The microwave oven control method according to claim 21, wherein the operation of storing the calculated weight of the food is performed so that a change of the weight of the food is sensed even if the setting operation is not performed and the storing is carried out depending on the changed weight of the food.

23. (ORIGINAL) The microwave oven control method according to claim 22, wherein the change of the weight of the food represents a change over a time greater than or equal to a preset reference time within a preset reference range.

24. (CURRENTLY AMENDED) ~~The microwave oven control method according to claim 18, further comprising:~~ A method of controlling a microwave oven having a weight sensing unit provided at an external portion of the microwave oven to sense a weight of food, the method comprising:

determining whether a weight measurement mode is set to measure a weight of the food;
determining whether a weight information storage mode is set to store weight information of the food if the weight measurement mode is set;

storing a weight of the food measured using the weight sensing unit provided at the external portion of the microwave oven if the weight information storage mode is set;

determining whether a cooking start is set to perform cooking;
calculating a cooking time to correspond to the stored weight of the food if the cooking start is set;

performing cooking for the calculated cooking time;
counting a time in which the cooking start is not set; and
deleting the stored weight of the food to prevent a malfunction if the counted time exceeds a preset time.

25. (CANCELLED)

26. (CANCELLED)

27. (CANCELLED)

28. (PREVIOUSLY PRESENTED) A microwave oven, comprising:

- a weight sensing unit to sense a weight of food;
- a memory to store weight information of the food;
- an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food; and
- a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed, wherein the controller comprises:
 - a counter to count a predetermined period of time for which a cooking start is not set, and deletes the weight information of the food stored in the memory when the time counted by the counter exceeds a set time.

29. (PREVIOUSLY PRESENTED) A microwave oven, comprising:

- a weight sensing unit to sense a weight of food, wherein the weight sensing unit comprises:
 - a weight sensor installed in an upper portion of a body of the microwave oven, and having a fixed one end, wherein the weight sensor senses a weight of the food depending on a force applied to a free end thereof;
 - a memory to store weight information of the food;
 - an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food; and
 - a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed.

30. (PREVIOUSLY PRESENTED) The microwave oven according to claim 29, wherein the weight sensing unit further comprises:

- a support bracket provided at the one end of the weight sensor to support the weight sensor;
- a shaft fixed to the free end of the weight sensor to receive the force applied to the free end;
- at least one heat dissipating hole provided in the weight sensor to allow the free end of the weight sensor to be bent and protected against heat; and

sensing elements mounted on surfaces of a center portion of the weight sensor to contract and expand so that internal resistances thereof vary.

31. (PREVIOUSLY PRESENTED) The microwave oven according to claim 30, wherein the sensing elements apply a weight sensing signal to the controller to correspond to the varied resistances.

32. (PREVIOUSLY PRESENTED) A microwave oven, comprising:
a weight sensing unit to sense a weight of food;
a memory to store weight information of the food;
an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food, wherein the input unit comprises:
a first setting key to set the mode of measuring the weight of the food, and
a second setting key to set the mode of storing the weight of the food,
wherein the first setting key is used to set a mode of searching a previously arranged table for a calorie content of the food and to display the calorie content; and
a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed.

33. (PREVIOUSLY PRESENTED) A microwave oven, comprising:
a weight sensing unit to sense a weight of food;
a memory to store weight information of the food;
an input unit to set a mode to measure the weight of the food and a mode to store the measured weight of the food;
a controller to store the weight of the food measured through the weight sensing unit in the memory when the weight measurement and storage modes are set through the input unit, and to calculate a cooking time depending on the weight of the food stored in the memory when cooking is performed; and
a platform unit mounted on the weight sensing unit to place an object filled with the food thereon, so that a weight of the object is measured by the weight sensing unit, wherein the platform unit comprises:
a platform base to integrate with a portion of the microwave oven,

a rubber seat to provide a plate to receive the object thereon and the width of the object to be measured, and

a locking ring to fix the rubber seat to the platform base.

34. (PREVIOUSLY PRESENTED) A method of controlling a microwave oven having a weight sensing unit to sense a weight of food, the method comprising:

determining whether a weight measurement mode is set to measure the weight of the food;

determining whether a weight information storage mode is set to store weight information of the food if the weight measurement mode is set;

calibrating a zero point for the weight sensing unit;

calculating the weight of the food after the zero point calibration;

storing the calculated weight of the food measured using the weight sensing unit if the weight information storage mode is set;

displaying the calculated weight of the food;

calculating a cooking time to correspond to the calculated weight of the food; and

performing cooking for the calculated cooking time.

35. (PREVIOUSLY PRESENTED) The microwave oven control method according to claim 34, wherein the weight of the food calculated after the zero point calibration, is obtained by subtracting a weight of a container from a total weight including the weight of the container filled with the food.

36. (PREVIOUSLY PRESENTED) The microwave oven control method according to claim 34, wherein the storing the calculated weight of the food is performed through a setting operation.

37. (PREVIOUSLY PRESENTED) The microwave oven control method according to claim 36, wherein the operation of storing the calculated weight of the food is performed so that a change of the weight of the food is sensed even if the setting operation is not performed and the storing is carried out depending on the changed weight of the food.

38. (PREVIOUSLY PRESENTED) The microwave oven control method according to claim 37, wherein the change of the weight of the food represents a change over a time greater

than or equal to a preset reference time within a preset reference range.

39. (PREVIOUSLY PRESENTED) A method of controlling a microwave oven having a weight sensing unit to sense a weight of food, the method comprising:

- determining whether a weight measurement mode is set to measure a weight of the food;
- determining whether a weight information storage mode is set to store weight information of the food if the weight measurement mode is set;
- storing a weight of the food measured using the weight sensing unit if the weight information storage mode is set;
- determining whether a cooking start is set to perform cooking;
- calculating a cooking time to correspond to the stored weight of the food if the cooking start is set;
- performing cooking for the calculated cooking time;
- counting a time in which the cooking start is not set; and
- deleting the stored weight of the food to prevent a malfunction if the counted time exceeds a preset time.